

I claim:

1. An ergonomic duty belt for carrying accessories, comprising:

a pliable outer covering;

a semi-rigid frame member inside said pliable outer covering; and

an accessory retainment system;

said ergonomic duty belt configured to form a semi-conically shaped section when placed about the waist of a user, and when worn by a user having a top edge and a bottom edge, said semi-conically shaped section top edge having a smaller circumference than the bottom edge, said ergonomic duty belt configured to allow said user to hold a variety of accessories in a desired position and orientation with increased comfort.

2. The ergonomic duty belt of claim 1 further comprising a detachable inner belt that goes through belt loops on a user's pants, and attaches to said ergonomic duty belt.

3. The ergonomic duty belt of claim 2 further comprising an outer belt that attaches to said ergonomic belt.

4. The ergonomic duty belt of claim 1 wherein said ergonomic duty belt comprises multiple foam layers with foams of different densities.

5. The ergonomic duty belt of claim 1 wherein said frame member is configured to match the contours of the portion of the user's body which the frame member engages, by having a narrower width over a user's hips and having a wider width at the small of the back and waist.

6. The ergonomic duty belt of claim 1 wherein said attachment retaining system comprises a strip of attachment material and at least one loop, said attachment material and said loop configured to connect and hold an outer belt against said ergonomic belt, said outer belt configured to hold a plurality of attachment devices thereupon.

7. The ergonomic duty belt of claim 6 wherein said attachment retaining system comprises a plurality of vertically oriented plates disposed along an outer surface of said outer belt, said attachment retaining system further comprising compatibly configured attachment devices configured to connect with said vertically oriented plates.

8. The ergonomic duty belt of claim 1 wherein said attachment retaining system comprises a plurality of vertically oriented plates disposed along an outer surface of said ergonomic utility belt, said attachment retaining system further comprising compatibly configured attachment devices configured to connect with said vertically oriented plates.

9. The ergonomic duty belt of claim 1 wherein said attachment retaining system comprises a track extending in a generally horizontal direction along a portion of said ergonomic duty belt, said track configured to receive a correspondingly configured tenon therein, at least one of said tenons attached to a tool accessory.

10. The ergonomic duty belt of claim 8 wherein said attachment retaining system further comprises a plurality of vertically oriented plates disposed along an outer surface of said ergonomic utility belt, said attachment retaining system further comprising compatibly configured attachment devices configured to connect with said vertically oriented plates.

11. The ergonomic duty belt of claim 1 further comprising an inner surface configured to allow varied removable attachment of a variety of padded devices therefrom.

12. A connection system for allowing interchangeable connection of a variety of accessories to a duty belt said system comprising:

a plurality of vertically disposed plates connected to a duty belt, said plates defining spaces therebetween, said plates and said spaces configured to receive and hold a compatibly configured attachment device upon said duty belt.

13. The connection system of claim 12 wherein said vertically oriented plates are configured receive and hold a tenon within a space defined by said plates, said tenon further comprising a tab configured to interact with said plates so as to allow an accessory device having a tenon in a desired position and orientation upon said duty belt.

14. The connection system of claim 12 further comprising a slotted attachment device, said slotted attachment device having a body, said body defining a slot, said slot configured to receive at least a portion of one of said vertically oriented plates therein, whereby an accessory that is connected to a slotted attachment device can be removably attached and removed from said duty belt.

15. The connection system of claim 14 wherein said vertically disposed plates define grooves therein and wherein said each of said slotted attachment devices further comprise a tab, said tab configured to be inserted within at least one of said grooves and to hold said slotted attachment device upon said vertically oriented plates.

16. The connection system of claim 15 wherein said connection system further comprises a screw, said screw configured to engage and hold said slotted attachment device upon said vertically oriented plate.

17. The connection system of claim 12 wherein said vertical plates are configured to meet the requirements of a standardized rail system configuration.

18. The connection system of claim 17 further comprising sections of a horizontally tracked attachment system positioned between said section having vertical plates; said horizontally tracked attachment system comprising a track extending in a generally horizontal direction along a portion of said ergonomic duty belt, said track configured to receive a correspondingly configured tenon therein, at least one of said tenons attached to a tool accessory, whereby said horizontally tracked attachment system maintains said tool accessories in a desired position and orientation upon said duty belt.

19. The connection system of claim 12 wherein quantities of said vertical plates are connected in sections to a base plate, and said base plate is connected to a duty belt.

20. An ergonomic duty belt system comprising:

an inner belt configured to pass through the belt loops on a user's pants;

an ergonomic belt, said ergonomic belt further comprised of; a semi-rigid frame member, said semi-rigid frame member configured to match the contours of the portion of the user's body which the frame member engages; a plurality of foam layers comprised of foams of different densities covering said semi-rigid frame member, and a pliable outer covering said semi-rigid frame member and said foam; said ergonomic duty belt configured to form a semi-conically shaped section when placed about the waist of a user, said semi-conically shaped section having a broader portion near its base and a narrower portion near its top, said ergonomic duty belt configured to allow said user to hold a variety of accessories in a desired position and orientation with increased comfort; and

an accessory attachment device connected to said ergonomic belt said accessory attachment device comprised of a plurality of vertically oriented plates disposed along an outer surface of said ergonomic belt, said attachment retaining device further comprising compatibly configured attachment devices configured to connect with said vertically oriented plates.

21. The ergonomic duty belt system of claim 20 wherein said accessory attachment device further comprises The ergonomic duty belt of claim 1 wherein said attachment retaining system further comprises at least one connection section said connection section comprised of a track extending in a generally horizontal direction along a portion of said ergonomic duty belt, said track configured to receive a correspondingly configured tenon therein, at least one of said tenons attached to a tool accessory.